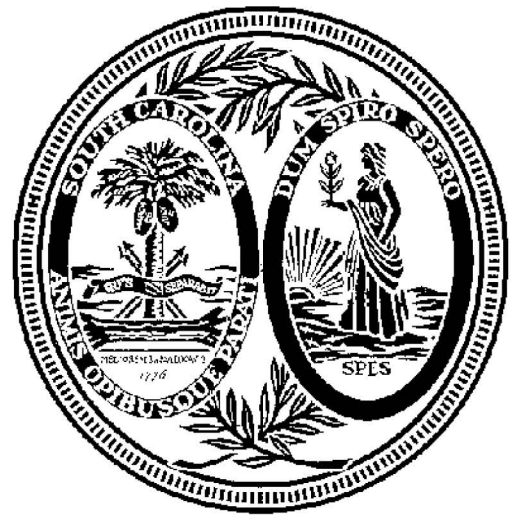


# Sumter County Base Labor Market Analysis



South Carolina  
Department of  
Commerce  
Labor Market Information



## TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	5
POPULATION .....	6
Growth.....	6
LABORSHED.....	7
Characteristics of Workers.....	7
INCOME .....	9
Per Capita Income.....	9
Wages by Industry .....	10
Wages by Occupation.....	11
EDUCATION .....	12
High School Graduates.....	12
Higher Education Graduates.....	13
OCCUPATIONS.....	14
Occupational Projections.....	14
Occupational Education Requirements.....	15
INDUSTRY .....	16
Businesses by Sector.....	16
Growth in Number of Businesses .....	17
Employment by Sector .....	18
Industry Analysis .....	19
MOVING FORWARD.....	21
Appendix A: Occupational Projections	
Appendix B: Businesses by 3-digit NAICS Codes	
Appendix C: Employment by Industry Sector	



## EXECUTIVE SUMMARY

### Population

*Sumter County's population has decreased in recent years.*

Future growth is expected to be slower than the state's.

*Two thirds of Sumter County's workers live within the county.*

### Income

*Per capita income growth has been faster than the state and the nation.*

Sumter County's per capita income remains below the state level.

Sumter County's average wages are higher than the state's in the following major occupation groups: architecture and engineering; life, physical and social science; community and social services; healthcare practitioners and technical; protective service; and production.

### Education

*The number of degrees awarded by area post-secondary institutions has increased.*

The greatest increase has been in the area of business management.

### Occupations

*The following occupational groups are expected to have faster growth in Sumter County than in the state:*

Architecture and engineering, healthcare practitioners and technical, protective service, building and grounds cleaning and maintenance, and construction and extraction.

*Requirements for Sumter County's workers are expected to grow in the following levels of education and experience:*

Work experience in a related field, associate's degree, bachelor's degree, and master's degree or higher.

### Industry

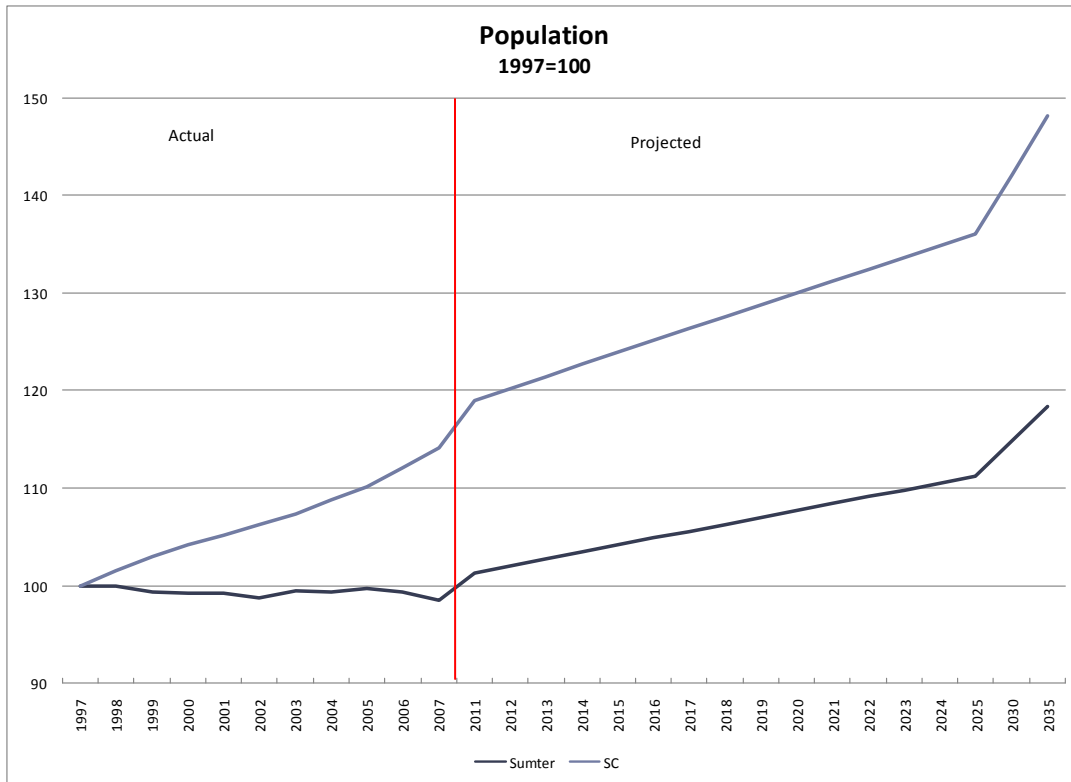
*Sectors rated as having high potential in Sumter County are as follows:*

Construction of buildings; heavy and civil engineering construction; truck transportation; machinery manufacturing; merchant wholesalers, durable goods; professional, scientific and technical services; and fabricated metal product manufacturing.

## POPULATION

### Growth

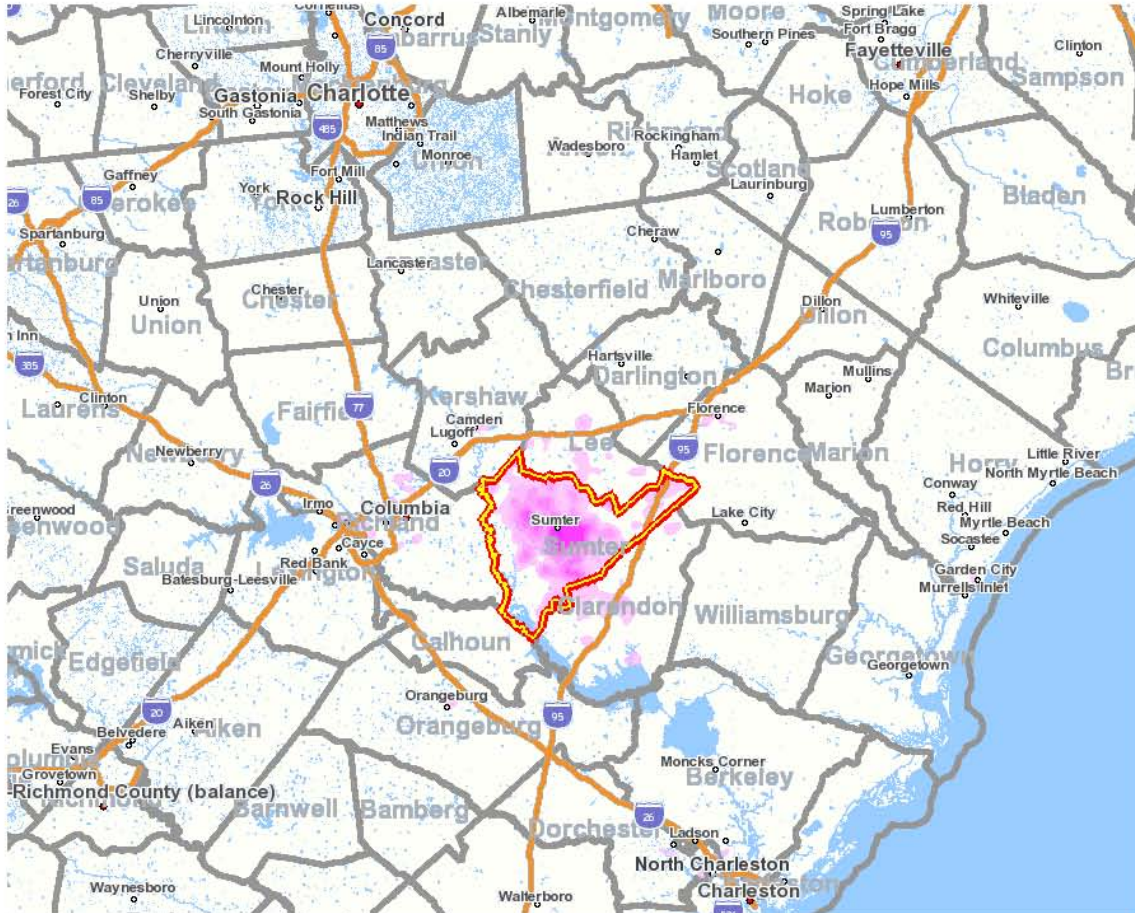
Sumter County's 2007 population was 103,943. The county population has fallen by 1.5% since 1997, compared to 14.2% growth for South Carolina. Sumter's future population growth is expected to be slower than the state's.



Source: U.S. Census Bureau (estimates) and SC Budget & Control Board/Office of Research and Statistics (projections).

## LABORSHED

The map below shows where Sumter County workers come from (in 2006, latest available data). As can be seen, two thirds of Sumter County's workers live within the county.



Source: U.S. Census Bureau, Local Employment Dynamics.

## Characteristics of Workers

### Age of Workers:

30 or younger	25.7%
31 to 54	57.3%
55 or older	17.0%

### Earnings of Workers:

\$1,200 per month or less	32.0%
\$1,201 to \$3,400 per month	47.5%
More than \$3,400 per month	20.5%

**States Where Workers Live:**

South Carolina	98.9%
North Carolina	0.5%
All other locations	0.6%

**Counties Where Workers Live:**

Sumter, SC	66.3%
Clarendon, SC	4.2%
Richland, SC	3.9%
Lee, SC	2.5%
Florence, SC	2.1%
Horry, SC	1.9%
Charleston, SC	1.8%
Kershaw, SC	1.7%
Lexington, SC	1.5%
Orangeburg, SC	1.3%
All Other Locations	12.8%

**Cities Where Workers Live:**

Sumter, SC	26.1%
South Sumter, SC	2.1%
Lakewood, SC	2.0%
Dalzell, SC	1.5%
Privateer, SC	1.3%
Cherryvale, SC	1.3%
Wedgewood, SC	1.0%
East Sumter, SC	1.0%
Columbia, SC	0.9%
Cane Savannah, SC	0.9%
All Other Locations	61.8%

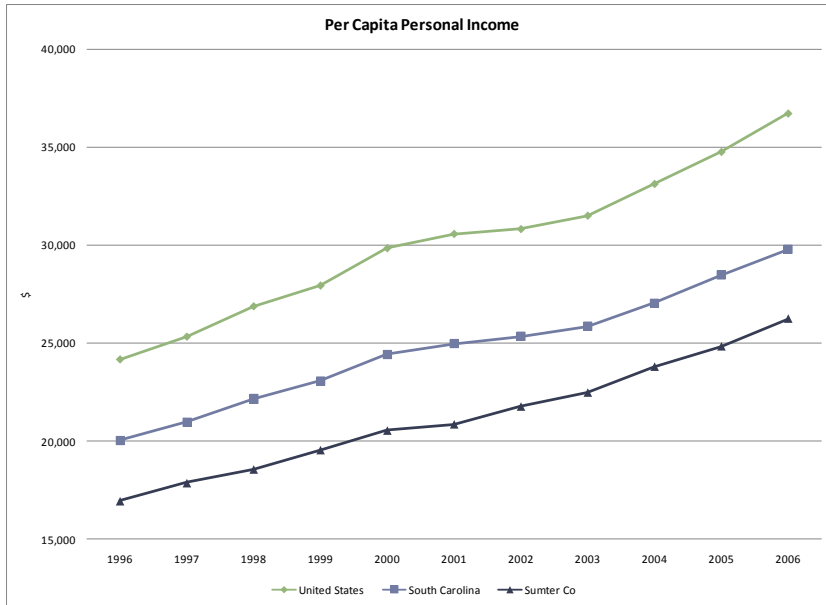
*Source: U.S. Census Bureau, Local Employment Dynamics.*



## INCOME

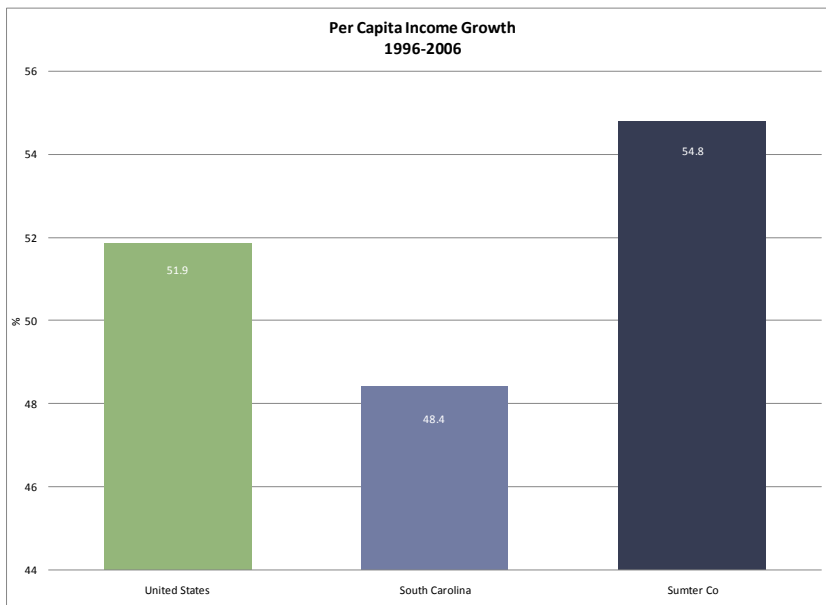
### Per Capita Income

Sumter County's per capita income has remained below the state and national levels.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Sumter County's per capita income has grown faster than South Carolina's and the nation's.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

## Wages by Industry

Sumter County's average wages are below those of South Carolina (\$582 vs. \$680 in 2007). Average wages were up 21% in Sumter County over the past five years, compared to 18% for the state. All major sectors had growth, led by transportation and warehousing.

Industry	NAICS Code	2007 Average Weekly Wage (\$)	2002 Average Weekly Wage (\$)	% Change
Total, Private and Government		582	480	21
Construction	23	700	563	24
Manufacturing	31-33	691	530	30
Retail Trade	44-45	400	351	14
Transportation and Warehousing	48-49	709	500	42
Information	51	659	533	24
Finance and Insurance	52	696	606	15
Real Estate and Rental and Leasing	53	452	370	22
Administration & Support & Waste Management & Remediation Services	56	415	302	37
Arts, Entertainment, and Recreation	71	229	198	16
Accommodation and Food Services	72	209	180	16
Other Services (Except Public Administration)	81	428	365	17
Federal Government		760	634	20
State Government		632	605	4
Local Government		590	513	15

Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

## Wages by Occupation

Average wages in Sumter County are higher than the state average in the following occupational groups:

- Architecture and engineering
- Life, physical and social science
- Community and social services
- Healthcare practitioners and technical
- Protective service
- Production

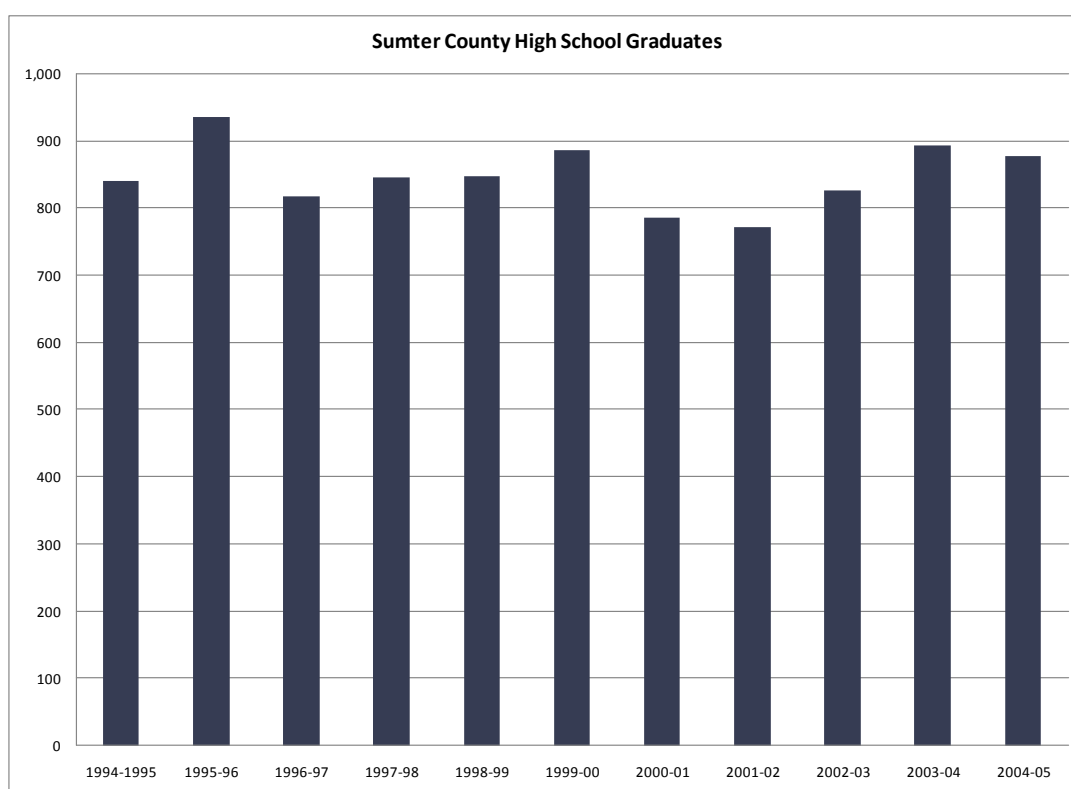
Occupation	2007 Sumter County Median Hourly Wage (\$)	2007 SC Median Hourly Wage (\$)
Management occupations	26.20	28.78
Business and financial operations occupations	19.62	20.28
Computer and mathematical science occupations	20.97	26.20
Architecture and engineering occupations	30.96	30.22
Life, physical and social science occupations	25.00	22.76
Community and social services occupations	13.68	13.18
Legal occupations	22.40	30.68
Education, training and library occupations	21.46	24.42
Arts, design, entertainment, sports and media occupations	10.80	12.66
Healthcare practitioners and technical occupations	36.23	30.64
Healthcare support occupations	9.33	10.55
Protective service occupations	14.11	13.87
Food preparation and serving related occupations	7.34	7.90
Building and grounds cleaning and maintenance occupations	7.29	8.42
Personal care and service occupations	7.37	8.39
Sales and related occupations	11.24	13.48
Office and administrative support occupations	11.97	13.22
Farming, fishing, and forestry occupations	12.61	13.07
Construction and extraction occupations	15.47	16.51
Installation, maintenance and repair occupations	15.63	16.88
Production occupations	15.54	15.21
Transportation and material moving occupations	12.94	12.94

Source: Economic Modeling Specialists, Inc.

## EDUCATION

### High School Graduates

From 1995 to 2005 (latest data available), the number of Sumter County students receiving high school diplomas rose by 38 (4%). In South Carolina, the number of high school diplomas increased 9% from 1995 to 2005. A total of 879 people received high school diplomas in Sumter County in 2005. Sumter County had 28 fewer 12<sup>th</sup> grade students in 2004-05 than in 1994-95. The number of Sumter County students not passing the exit exam who received a certificate of completion instead of a diploma increased by 77 (to 97) over the 1995-2005 period.



Source: National Center for Education Statistics.

## Higher Education Graduates

Over 1,300 more students graduated from higher educational institutions in the Santee-Lynches area in 2006 than in 1996, an increase of 13%. The greatest numerical increase was in business management fields.

Program	1996	2006	Change	% Change
Agriculture, agriculture operations & related sciences	16	4	-12	-75
Area, ethnic, cultural & gender studies	19	26	7	37
Biological & biomedical sciences	434	458	24	6
Business, management, marketing & related support services	1,685	2,173	488	29
Communication, journalism & related programs	353	428	75	21
Computer & information sciences & support services	181	239	58	32
Construction trades	1	3	2	200
Education	1,262	1,205	-57	-5
Engineering technologies/technicians	123	160	37	30
Engineering	289	315	26	9
English language & literature/letters	310	276	-34	-11
Family & consumer sciences/human sciences	117	246	129	110
Foreign languages, literatures & linguistics	81	71	-10	-12
Health professions & related clinical sciences	1,236	1,330	94	8
Legal professions & studies	324	324	0	0
Liberal arts & sciences, general studies & humanities	672	391	-281	-42
Library science	185	200	15	8
Mathematics and statistics	129	99	-30	-23
Mechanic and repair technologies/technicians	106	248	142	134
Multi/interdisciplinary studies	37	86	49	132
Natural resources & conservation	15	3	-12	-80
Parks, recreation, leisure & fitness studies	125	240	115	92
Personal & culinary services	2	38	36	1,800
Philosophy & religious studies	30	52	22	73
Physical sciences	167	162	-5	-3
Precision production	89	99	10	11
Psychology	353	445	92	26
Public administration & social service professions	325	365	40	12
Security & protective services	359	343	-16	-4
Social sciences & history	719	823	104	14
Theology & religious vocations	284	338	54	19
Visual & performing arts	195	339	144	74
TOTAL	10,223	11,529	1,306	13

Source: National Center for Education Statistics (Integrated Post Secondary Education System).

Data for these schools: Allen University, Benedict College, Central Carolina Technical College, Claflin University, Coker College, Columbia College, Columbia International University, Florence-Darlington Technical College, Francis Marion University, Lutheran Theological Seminary, McLeod Regional Medical Center School of Medical Technology, Morris College, Northeastern Technical College, Orangeburg-Calhoun Technical College, South Carolina State University, South University, Southern Methodist College, University of South Carolina-Columbia, University of South Carolina-Lancaster, University of South Carolina-Sumter, Williamsburg Technical College.

## OCCUPATIONS

### Occupational Projections

The following occupational groups are projected to grow faster in Sumter County than in the state:

- Architecture and engineering
- Healthcare practitioners and technical
- Protective service
- Building and grounds cleaning and maintenance
- Construction and extraction

See **Appendix A** for detailed occupational information.

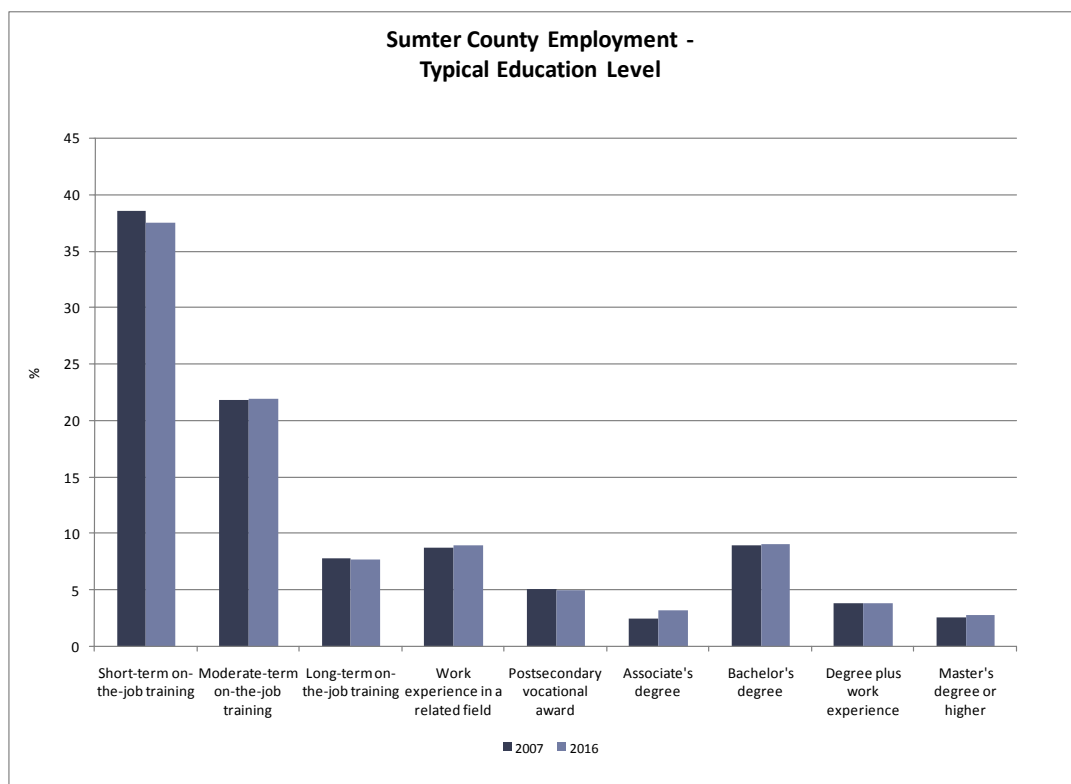
Occupation	2007-2016 Sumter County Projected Growth (%)	2007-2016 SC Projected Growth (%)
Management occupations	14	17
Business and financial operations occupations	19	22
Computer and mathematical science occupations	20	23
Architecture and engineering occupations	20	15
Life, physical and social science occupations	12	15
Community and social services occupations	13	15
Legal occupations	13	21
Education, training and library occupations	8	16
Arts, design, entertainment, sports and media occupations	6	17
Healthcare practitioners and technical occupations	37	24
Healthcare support occupations	16	25
Protective service occupations	28	18
Food preparation and serving related occupations	11	13
Building and grounds cleaning and maintenance occupations	24	23
Personal care and service occupations	-4%	7
Sales and related occupations	9	19
Office and administrative support occupations	10	13
Farming, fishing and forestry occupations	7	16
Construction and extraction occupations	20	19
Installation, maintenance and repair occupations	16	17
Production occupations	9	10
Transportation and material moving occupations	10	11

Source: *Economic Modeling Specialists, Inc.*

## Occupational Education Requirements

The trend for occupational growth shows that there will be growth in jobs across skill levels. However, based on employment projections, more of Sumter County's job growth will be in jobs with higher levels of education and experience, specifically:

- Work experience in a related field
- Associate's degree
- Bachelor's degree
- Master's degree or higher



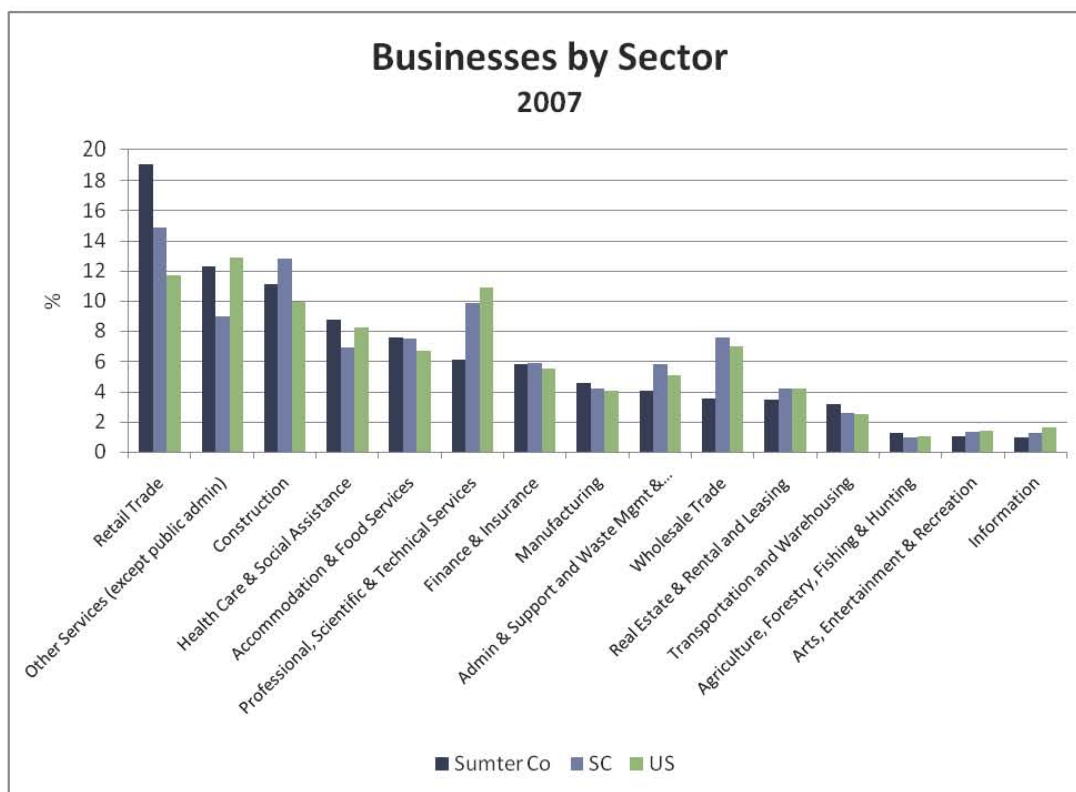
Source: Economic Modeling Specialists, Inc

## INDUSTRY

### Businesses by Sector

Sumter County had higher percentages of businesses than South Carolina or the nation in the following sectors:

- Retail trade
- Health care and social assistance
- Accommodation and food services
- Manufacturing
- Transportation and warehousing
- Agriculture and forestry



Source: U.S. Department of Labor, Bureau of Labor Statistics.



## Growth in Number of Businesses

The number of private businesses in Sumter County fell by 6% from 2002 to 2007, compared to a 2% drop for the state. For industry definitions, this analysis uses the North American Industry Classification System (NAICS), the U.S. standard for industry classification.

At the three-digit NAICS code level, Sumter County had higher growth in 10 industries compared to South Carolina and the U.S. Below is a list of those 10 industries along with their respective growth rates.

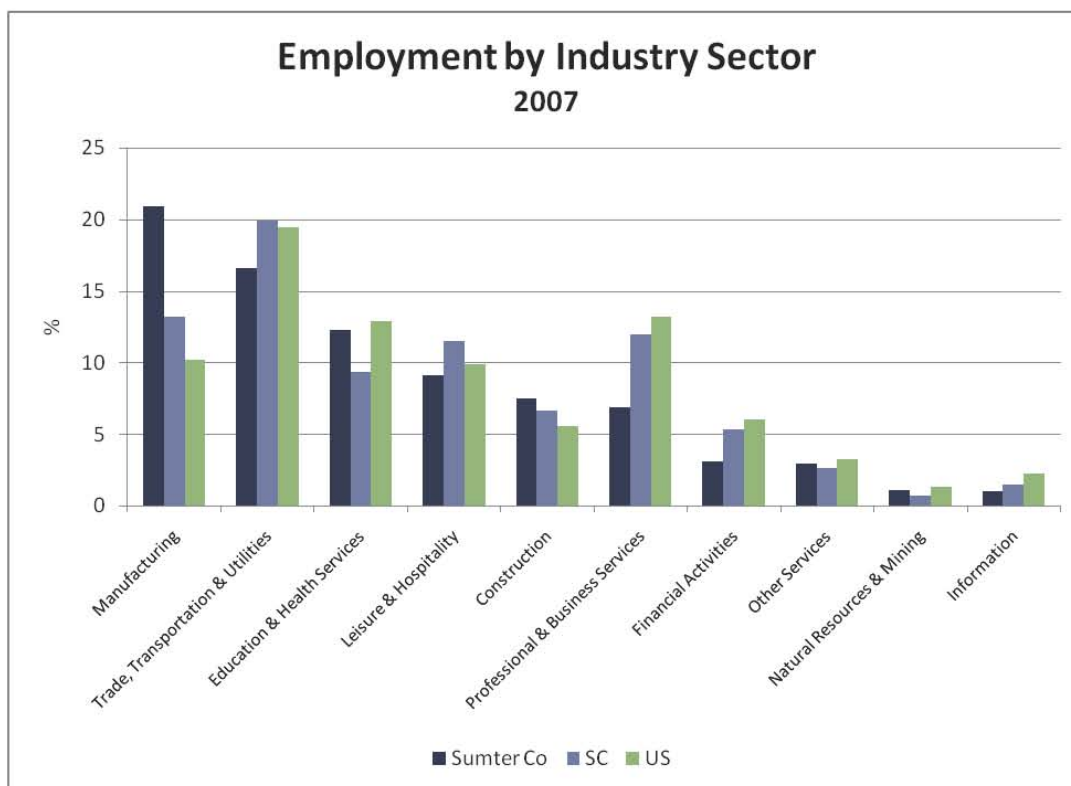
See **Appendix B** for information on all industries.

Industry	2002-2007 Growth (%)		
	Sumter Co.	SC	US
Utilities	16.7	-8.8	-0.9
Heavy and civil engineering construction	19.0	-2.0	-2.3
Fabricated metal product manufacturing	9.5	-6.1	-3.0
Computer and electronic product manufacturing	33.3	-6.3	-11.2
Merchant wholesalers, durable goods	9.3	0.6	-5.6
Health and personal care stores	36.0	9.1	10.2
Truck transportation	42.9	-5.1	5.4
Securities, commodity contracts and other financial investments and related activities	50.0	38.6	23.5
Religious, grantmaking, civic, professional and similar organizations	11.8	-2.0	3.3
Private households	26.4	4.6	24.9

Source: U.S. Department of Labor, Bureau of Labor Statistics.

## Employment by Sector

Compared to the state and nation, Sumter County has a higher share of jobs in manufacturing and construction.



Source: U.S. Department of Labor, Bureau of Labor Statistics.

# Industry Analysis

## Screening Criteria

Industry sectors were rated on six factors:

- |                                    |                                 |
|------------------------------------|---------------------------------|
| • 2002-2007 employment growth      | Competitive effect <sup>1</sup> |
| • 2002-2007 employment growth rate | Average annual wage             |
| • Location quotient <sup>2</sup>   | Projected growth                |

Using those factors, sectors were awarded “stars” based on meeting the following criteria:

- 2002-2007 employment growth of 75 or more (Did the sector add a significant number of jobs?)
- 2002-2007 employment growth rate greater than 0% (the county lost jobs over the period)(growth rate for all jobs in the county) (Did the sector add jobs?)
- Location quotient of at least 1.25 (Does the sector have a significant concentration in the county?)
- Competitive effect greater than 0 (Did the sector add jobs beyond national growth overall and in the sector?)
- Average annual wage greater than \$30,259 (2007 average for the county) (Does the sector pay wages greater than average for the county?)
- Average or above average projected growth (Is the sector expected to add jobs?)

## Industries of Note

Based on these criteria, Sumter County has the following “six star” sectors:

- Construction of buildings
- Heavy and civil engineering construction
- Truck transportation

Industry sectors that generate wealth from outside the area are referred to as the region’s base economy. Base economy sectors are important to an area’s economic well-being. All three of the above sectors are considered base economy sectors.

The following are “five star” sectors (with only location quotients below one) that meet the base economy criteria:

- Machinery manufacturing (location quotient below 1)
- Merchant wholesalers, durable goods (location quotient below 1)
- Professional, scientific and technical services (location quotient below 1)

---

<sup>1</sup> *Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.*

<sup>2</sup> *Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county compared to the US; based on 2007 data.*

Another sector which fits this base economy criteria, has above-average wages, has a high concentration in the area (as indicated by the location quotient), and is projected to grow is fabricated metal product manufacturing.

**Appendix C** has information on all factors for all sectors for Sumter County.

## MOVING FORWARD

The South Carolina Department of Commerce appreciates the opportunity to provide this base analysis of Sumter County's labor market. We hope that it will help in advancing the progress of Sumter County's economic development.

### What's been done so far?

This analysis identifies the region's assets—both current and future—at a macro level. Labor Market Information (LMI) at the S.C. Department of Commerce developed a Base Labor Analysis report providing an overview of the region's population, industries, occupations, and educational assets. Additionally, these findings were benchmarked against the state and the nation.

### What's next?

Because local knowledge is required to interpret and apply the findings appropriately, the Sumter Base Labor Analysis should be used with local stakeholders to identify and define key, targeted industry clusters. Some items to consider when defining these clusters may include the following.

#### 1. *What is Sumter's economic base?*

In order for an economy to grow, it must have a base (export) sector that generates wealth from beyond its borders. Industries in the economic base (manufacturing, scientific and technology services, warehouse and distribution, financial services, regional healthcare, etc.) typically provide occupations with higher pay and benefits as well as better human capital development and promotion opportunities. A successful economic base stimulates the development of the non-base sector (housing, schools, retail, restaurants, personal services, etc.). It also propels the local tax base which, in turn, provides support to community services.

#### 2. *What are strategies to assist low-wage citizens in non-base economy jobs?*

Although the economic base is the driver for long-term growth in a region, implementable strategies for developing job opportunities for low-skilled individuals is a priority for community economic well-being. This need must also be kept in mind when defining target industry clusters.

#### 3. *What other factors are vital to Sumter and its community?*

Over and above pure economic considerations, what is important to the citizens of the Sumter community? How does Sumter want to be perceived? What quality of life issues affect Sumter? These questions may impact the types of industries desired for the area.

## How Labor Market Information at the S.C. Department of Commerce can help.

Once local stakeholders have identified key industry clusters vital to the future economic development of the region, LMI can provide more in-depth analysis of each of these industries, their occupations, business establishments, and educational requirements.

### **1. Detailed Industry Analysis**

For each identified industry, LMI can develop a detailed analysis of each sector, including employment, projected growth, staffing patterns, location quotients, and employers. Additionally, the analysis will examine the largest, fastest growing, and declining sectors within the industry cluster.

### **2. Detailed Occupational Analysis**

At this point, the occupations—classified by SOC codes—that make up each of the identified industry clusters can be analyzed in detail. This analysis will include employment, average earnings, educational requirements, projected growth, and completers from available local training programs. It will culminate in identifying gaps between the number of occupations required to sustain and advance industry growth and the number of skilled workers (as identified by educational requirements and program completers) available to fulfill these positions.

### **3. Identification of Implementable Recommendations**

LMI will utilize the findings of the analyses to develop a set of implementable recommendations. These may include recommendations to align community college programs with economic development goals along with others. Finally, local knowledge will once again be called upon to review the findings and develop an action plan for the implementation of feasible solutions.

## Appendix A: Occupational Projections for Sumter County

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-2021	Marketing managers	25	28	3	12	0.39	27.35	Degree plus work experience
11-2022	Sales managers	49	55	6	12	0.45	26.71	Degree plus work experience
11-2031	Public relations managers	12	13	1	8	0.71	28.83	Degree plus work experience
11-3011	Administrative services managers	76	86	10	13	1.00	27.69	Degree plus work experience
11-3021	Computer and information systems managers	41	49	8	20	0.48	41.72	Degree plus work experience
11-3031	Financial managers	105	124	19	18	0.51	27.70	Degree plus work experience
11-3042	Training and development managers	10	11	1	10	--	--	Degree plus work experience
11-3051	Industrial production managers	53	60	7	13	1.08	40.74	Work experience in a related field
11-3061	Purchasing managers	22	24	2	9	1.05	36.02	Degree plus work experience
11-3071	Transportation, storage, and distribution managers	17	19	2	12	0.54	31.46	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9011	Farm, ranch, and other agricultural managers	84	83	-1	-1	0.79	5.87	Degree plus work experience
11-9012	Farmers and ranchers	419	413	-6	-1	0.80	5.85	Long-term on-the-job training
11-9021	Construction managers	301	401	100	33	1.32	29.99	Bachelor's degree
11-9031	Education administrators, preschool and child care center/program	26	28	2	8	0.64	13.02	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	118	128	10	8	1.28	35.02	Degree plus work experience
11-9033	Education administrators, postsecondary	36	43	7	19	0.62	24.18	Degree plus work experience
11-9039	Education administrators, all other	19	22	3	16	0.62	18.34	Degree plus work experience
11-9041	Engineering managers	43	51	8	19	0.73	39.04	Degree plus work experience
11-9051	Food service managers	111	136	25	23	0.80	18.38	Work experience in a related field
11-9081	Lodging managers	29	35	6	21	0.66	18.90	Work experience in a related field
11-9111	Medical and health services managers	57	78	21	37	0.61	34.58	Degree plus work experience
11-9141	Property, real estate, and community association managers	184	247	63	34	0.52	10.14	Bachelor's degree



SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9151	Social and community service managers	20	23	3	15	0.43	14.49	Bachelor's degree
11-9199	Managers, all other	256	294	38	15	0.52	49.42	Work experience in a related field
11-1011	Chief executives	230	262	32	14	0.67	35.49	Degree plus work experience
11-1021	General and operations managers	595	636	41	7	1.05	28.95	Degree plus work experience
11-1031	Legislators	24	26	2	8	1.25	14.40	Degree plus work experience
13-1022	Wholesale and retail buyers, except farm products	25	26	1	4	0.48	18.30	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	75	85	10	13	0.84	24.78	Work experience in a related field
13-1031	Claims adjusters, examiners, and investigators	56	60	4	7	0.59	21.52	Long-term on-the-job training
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	26	27	1	4	0.36	21.04	Long-term on-the-job training
13-1051	Cost estimators	69	90	21	30	0.93	22.80	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	68	79	11	16	1.08	18.60	Bachelor's degree
13-1073	Training and development specialists	26	31	5	19	0.39	21.53	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1079	Human resources, training, and labor relations specialists, all other	16	19	3	19	0.23	25.26	Bachelor's degree
13-1111	Management analysts	89	113	24	27	0.29	20.39	Degree plus work experience
13-1121	Meeting and convention planners	13	17	4	31	0.48	9.31	Bachelor's degree
13-1199	Business operation specialists, all other	136	166	30	22	0.42	23.43	Bachelor's degree
13-2011	Accountants and auditors	188	225	37	20	0.39	17.73	Bachelor's degree
13-2021	Appraisers and assessors of real estate	69	92	23	33	0.53	11.29	Postsecondary vocational award
13-2051	Financial analysts	18	23	5	28	0.17	18.49	Bachelor's degree
13-2052	Personal financial advisors	55	73	18	33	0.25	11.97	Bachelor's degree
13-2053	Insurance underwriters	15	16	1	7	0.45	21.33	Bachelor's degree
13-2071	Loan counselors	12	13	1	8	0.77	18.43	Bachelor's degree
13-2072	Loan officers	71	75	4	6	0.59	23.08	Bachelor's degree
13-2082	Tax preparers	20	21	1	5	0.56	11.47	Moderate-term on-the-job training
13-2099	Financial specialists, all other	14	10	-4	-29	--	--	Bachelor's degree
15-1021	Computer programmers	44	43	-1	-2	0.29	22.43	Bachelor's degree
15-1041	Computer support specialists	58	68	10	17	0.33	13.92	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
15-1051	Computer systems analysts	36	47	11	31	0.23	24.01	Bachelor's degree
15-1071	Network and computer systems administrators	45	56	11	24	0.46	25.79	Bachelor's degree
15-1081	Network systems and data communications analysts	13	19	6	46	0.15	20.78	Bachelor's degree
17-1011	Architects, except landscape and naval	13	15	2	15	0.28	25.92	Bachelor's degree
17-1012	Landscape architects	11	13	2	18	0.52	18.80	Bachelor's degree
17-1022	Surveyors	10	11	1	10	0.53	20.34	Bachelor's degree
17-2041	Chemical engineers	13	15	2	15	1.41	52.83	Bachelor's degree
17-2051	Civil engineers	36	41	5	14	0.41	33.33	Bachelor's degree
17-2071	Electrical engineers	28	33	5	18	0.58	47.51	Bachelor's degree
17-2072	Electronics engineers, except computer	10	12	2	20	0.24	41.33	Bachelor's degree
17-2112	Industrial engineers	84	120	36	43	1.34	28.25	Bachelor's degree
17-2141	Mechanical engineers	95	110	15	16	1.37	39.10	Bachelor's degree
17-2161	Nuclear engineers	11	14	3	27	1.34	54.24	Bachelor's degree
17-2199	Engineers, all other	12	14	2	17	0.23	28.71	Bachelor's degree
17-3011	Architectural and civil drafters	11	12	1	9	0.31	25.26	Postsecondary vocational award
17-3012	Electrical and electronics drafters	95	114	19	20	7.89	22.90	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
17-3013	Mechanical drafters	32	36	4	13	1.32	20.01	Postsecondary vocational award
17-3023	Electrical and electronic engineering technicians	41	48	7	17	0.77	25.08	Associate's degree
17-3026	Industrial engineering technicians	15	19	4	27	0.66	26.23	Associate's degree
17-3027	Mechanical engineering technicians	11	13	2	18	0.72	28.29	Associate's degree
17-3029	Engineering technicians, except drafters, all other	12	14	2	17	0.51	33.80	Associate's degree
17-3031	Surveying and mapping technicians	14	14	0	0	0.52	17.04	Moderate-term on-the-job training
19-1032	Foresters	10	11	1	10	2.06	26.79	Bachelor's degree
19-2031	Chemists	15	16	1	7	0.57	30.79	Bachelor's degree
19-2041	Environmental scientists and specialists, including health	10	11	1	10	0.34	22.60	Master's degree
19-2042	Geoscientists, except hydrologists and geographers	10	10	0	0	--	--	Master's degree
19-3021	Market research analysts	15	16	1	7	0.18	19.59	Bachelor's degree
19-3031	Clinical, counseling, and school psychologists	25	29	4	16	0.46	24.10	Doctoral degree
19-4031	Chemical technicians	19	21	2	11	1.00	25.00	Associate's degree
19-4051	Nuclear technicians	10	12	2	20	4.53	33.53	Associate's degree
19-4091	Environmental science and protection technicians, including health	10	11	1	10	--	--	Associate's degree
21-1011	Substance abuse and behavioral disorder counselors	11	13	2	18	0.39	16.26	Master's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
21-1012	Educational, vocational, and school counselors	111	131	20	18	1.39	20.57	Master's degree
21-1015	Rehabilitation counselors	28	34	6	21	0.61	14.02	Master's degree
21-1021	Child, family, and school social workers	217	228	11	5	2.35	14.04	Bachelor's degree
21-1022	Medical and public health social workers	53	63	10	19	1.31	18.50	Bachelor's degree
21-1023	Mental health and substance abuse social workers	25	28	3	12	0.60	12.69	Master's degree
21-1029	Social workers, all other	16	18	2	13	0.69	19.30	Bachelor's degree
21-1092	Probation officers and correctional treatment specialists	11	12	1	9	0.39	19.76	Bachelor's degree
21-1093	Social and human service assistants	51	58	7	14	0.47	8.97	Moderate-term on-the-job training
21-1099	Community and social service specialists, all other	12	14	2	17	0.30	10.78	Bachelor's degree
21-2011	Clergy	88	100	12	14	1.16	6.24	Master's degree
21-2021	Directors, religious activities and education	33	37	4	12	1.14	5.94	Bachelor's degree
21-2099	Religious workers, all other	14	16	2	14	1.13	5.92	Bachelor's degree
23-1011	Lawyers	94	105	11	12	0.35	33.51	First professional degree
23-1023	Judges, magistrate judges, and magistrates	14	15	1	7	1.84	14.44	Degree plus work experience
23-2011	Paralegals and legal assistants	85	97	12	14	1.12	13.69	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-1099	Postsecondary teachers	359	453	94	26	0.75	39.61	Doctoral degree
25-2011	Preschool teachers, except special education	189	185	-4	-2	1.20	7.99	Postsecondary vocational award
25-2012	Kindergarten teachers, except special education	71	80	9	13	1.23	34.61	Bachelor's degree
25-2021	Elementary school teachers, except special education	470	511	41	9	0.93	22.26	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	416	450	34	8	1.88	23.46	Bachelor's degree
25-2031	Secondary school teachers, except special and vocational education	443	461	18	4	1.31	23.66	Bachelor's degree
25-2032	Vocational education teachers, secondary school	119	113	-6	-5	3.54	24.03	Degree plus work experience
25-2041	Special education teachers, preschool, kindergarten, and elementary school	48	54	6	13	0.67	42.61	Bachelor's degree
25-2042	Special education teachers, middle school	43	48	5	12	1.30	25.43	Bachelor's degree
25-2043	Special education teachers, secondary school	22	23	1	5	0.51	26.00	Bachelor's degree
25-3011	Adult literacy, remedial education, and GED teachers and instructors	18	20	2	11	0.40	20.77	Bachelor's degree
25-3021	Self-enrichment education teachers	50	56	6	12	0.61	13.99	Work experience in a related field
25-3099	Teachers and instructors, all other	190	203	13	7	0.91	9.40	Bachelor's degree
25-4021	Librarians	44	49	5	11	0.88	21.25	Master's degree
25-4031	Library technicians	41	48	7	17	1.10	15.29	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-9031	Instructional coordinators	88	100	12	14	2.03	21.56	Master's degree
25-9041	Teacher assistants	457	476	19	4	1.05	9.33	Short-term on-the-job training
27-1011	Art directors	13	16	3	23	0.34	8.92	Degree plus work experience
27-1012	Craft artists	11	13	2	18	0.37	6.12	Long-term on-the-job training
27-1013	Fine artists, including painters, sculptors, and illustrators	12	14	2	17	0.37	6.55	Long-term on-the-job training
27-1014	Multi-media artists and animators	13	15	2	15	0.33	7.31	Bachelor's degree
27-1019	Artists and related workers, all other	12	14	2	17	0.39	6.31	Long-term on-the-job training
27-1021	Commercial and industrial designers	10	12	2	20	0.46	11.85	Bachelor's degree
27-1023	Floral designers	25	24	-1	-4	0.81	11.12	Moderate-term on-the-job training
27-1024	Graphic designers	31	38	7	23	0.41	15.50	Bachelor's degree
27-1025	Interior designers	10	12	2	20	0.35	11.96	Associate's degree
27-1026	Merchandise displayers and window trimmers	18	19	1	6	0.56	10.80	Moderate-term on-the-job training
27-2022	Coaches and scouts	37	39	2	5	0.62	12.83	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
27-2041	Music directors and composers	26	31	5	19	0.53	6.09	Degree plus work experience
27-2042	Musicians and singers	47	54	7	15	0.67	7.08	Long-term on-the-job training
27-2099	Entertainers and performers, sports and related workers, all other	10	10	0	0	--	--	Long-term on-the-job training
27-3031	Public relations specialists	34	40	6	18	0.42	14.02	Bachelor's degree
27-3041	Editors	15	18	3	20	0.31	15.48	Bachelor's degree
27-3043	Writers and authors	40	52	12	30	0.33	6.46	Bachelor's degree
27-3091	Interpreters and translators	18	14	-4	-22	0.42	14.77	Long-term on-the-job training
27-3099	Media and communication workers, all other	15	10	-5	-33	0.37	14.67	Long-term on-the-job training
27-4021	Photographers	97	68	-29	-30	0.42	12.22	Long-term on-the-job training
29-1021	Dentists, general	16	18	2	13	0.54	59.12	First professional degree
29-1031	Dietitians and nutritionists	13	16	3	23	0.58	23.19	Bachelor's degree
29-1051	Pharmacists	17	26	9	53	0.22	58.20	First professional degree



SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-1069	Physicians and surgeons	216	286	70	32	0.85	101.63	First professional degree
29-1111	Registered nurses	671	1,038	367	55	0.88	34.77	Associate's degree
29-1122	Occupational therapists	16	21	5	31	0.51	33.36	Master's degree
29-1123	Physical therapists	22	31	9	41	0.38	42.53	Master's degree
29-1126	Respiratory therapists	18	30	12	67	0.58	30.09	Associate's degree
29-1127	Speech-language pathologists	23	25	2	9	0.58	27.96	Master's degree
29-1131	Veterinarians	12	14	2	17	0.55	34.73	First professional degree
29-1199	Health diagnosing and treating practitioners, all other	14	19	5	36	0.48	22.40	Bachelor's degree
29-2011	Medical and clinical laboratory technologists	28	39	11	39	0.55	24.42	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	36	51	15	42	0.77	18.98	Associate's degree
29-2021	Dental hygienists	52	68	16	31	0.99	23.22	Associate's degree
29-2031	Cardiovascular technologists and technicians	11	18	7	64	0.75	22.72	Associate's degree
29-2034	Radiologic technologists and technicians	46	70	24	52	0.78	28.63	Associate's degree
29-2041	Emergency medical technicians and paramedics	54	83	29	54	0.88	16.93	Postsecondary vocational award
29-2052	Pharmacy technicians	83	118	35	42	0.94	10.72	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-2055	Surgical technologists	27	45	18	67	1.02	22.72	Postsecondary vocational award
29-2061	Licensed practical and licensed vocational nurses	293	289	-4	-1	1.29	17.18	Postsecondary vocational award
29-2071	Medical records and health information technicians	45	60	15	33	0.87	16.79	Associate's degree
29-2081	Opticians, dispensing	16	20	4	25	0.62	13.56	Long-term on-the-job training
29-9011	Occupational health and safety specialists	14	16	2	14	1.02	24.41	Bachelor's degree
31-1011	Home health aides	349	374	25	7	1.33	7.84	Short-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	377	401	24	6	0.83	8.71	Postsecondary vocational award
31-1013	Psychiatric aides	48	69	21	44	1.22	6.48	Short-term on-the-job training
31-2021	Physical therapist assistants	29	41	12	41	1.59	17.60	Associate's degree
31-9011	Massage therapists	22	13	-9	-41	0.72	7.71	Postsecondary vocational award
31-9091	Dental assistants	63	81	18	29	0.72	12.55	Moderate-term on-the-job training
31-9092	Medical assistants	106	153	47	44	0.81	11.52	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-9093	Medical equipment preparers	12	18	6	50	0.72	14.60	Short-term on-the-job training
31-9094	Medical transcriptionists	21	29	8	38	0.69	14.10	Postsecondary vocational award
31-9095	Pharmacy aides	15	19	4	27	0.81	10.48	Short-term on-the-job training
31-9096	Veterinary assistants and laboratory animal caretakers	14	16	2	14	0.55	11.10	Short-term on-the-job training
31-9099	Healthcare support workers, all other	44	59	15	34	0.71	9.21	Short-term on-the-job training
33-1011	First-line supervisors/managers of correctional officers	12	13	1	8	1.00	21.57	Work experience in a related field
33-1012	First-line supervisors/managers of police and detectives	34	38	4	12	1.23	21.74	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	25	29	4	16	1.58	21.29	Work experience in a related field
33-1099	First-line supervisors/managers, protective service workers, all other	22	33	11	50	1.41	17.32	Work experience in a related field
33-2011	Fire fighters	75	87	12	16	0.85	13.18	Long-term on-the-job training
33-3011	Bailiffs	13	15	2	15	2.31	9.05	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-3012	Correctional officers and jailers	200	232	32	16	1.54	15.10	Moderate-term on-the-job training
33-3021	Detectives and criminal investigators	33	40	7	21	1.05	21.05	Work experience in a related field
33-3051	Police and sheriff's patrol officers	308	353	45	15	1.55	18.09	Long-term on-the-job training
33-9011	Animal control workers	10	17	7	70	--	--	Moderate-term on-the-job training
33-9021	Private detectives and investigators	24	38	14	58	1.17	13.42	Work experience in a related field
33-9032	Security guards	326	511	185	57	1.02	9.24	Short-term on-the-job training
33-9091	Crossing guards	20	21	1	5	0.97	8.77	Short-term on-the-job training
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	51	55	4	8	1.40	8.27	Short-term on-the-job training
33-9099	Protective service workers, all other	25	28	3	12	0.96	10.87	Short-term on-the-job training
35-1011	Chefs and head cooks	44	46	2	5	1.09	11.43	Work experience in a related field
35-1012	First-line supervisors/managers of food preparation and serving workers	226	260	34	15	0.85	12.15	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-2011	Cooks, fast food	472	538	66	14	2.42	6.41	Short-term on-the-job training
35-2012	Cooks, institution and cafeteria	146	146	0	0	1.15	8.30	Moderate-term on-the-job training
35-2014	Cooks, restaurant	181	193	12	7	0.69	8.56	Long-term on-the-job training
35-2015	Cooks, short order	101	108	7	7	1.61	12.31	Short-term on-the-job training
35-2021	Food preparation workers	342	384	42	12	1.22	7.20	Short-term on-the-job training
35-3011	Bartenders	106	114	8	8	0.66	6.49	Short-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	502	608	106	21	0.65	6.32	Short-term on-the-job training
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	75	83	8	11	0.45	7.08	Short-term on-the-job training
35-3031	Waiters and waitresses	883	947	64	7	1.21	6.31	Short-term on-the-job training
35-3041	Food servers, nonrestaurant	43	49	6	14	0.75	7.41	Short-term on-the-job training
35-9011	Dining room and cafeteria attendants and bartender helpers	65	70	5	8	0.51	6.33	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-9021	Dishwashers	107	111	4	4	0.67	6.86	Short-term on-the-job training
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	76	81	5	7	0.69	6.59	Short-term on-the-job training
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	131	162	31	24	1.11	8.86	Work experience in a related field
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	49	61	12	24	1.04	10.96	Work experience in a related field
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	764	924	160	21	1.07	7.26	Short-term on-the-job training
37-2012	Maids and housekeeping cleaners	550	676	126	23	0.98	6.69	Short-term on-the-job training
37-2019	Building cleaning workers, all other	132	176	44	33	0.86	5.99	Short-term on-the-job training
37-2021	Pest control workers	41	54	13	32	1.38	11.46	Moderate-term on-the-job training
37-3011	Landscaping and groundskeeping workers	199	238	39	20	0.61	7.85	Short-term on-the-job training
37-3012	Pesticide handlers, sprayers, and applicators, vegetation	45	64	19	42	1.42	6.27	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	42	60	18	43	1.30	6.06	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
37-3019	Grounds maintenance workers, all other	45	63	18	40	1.47	6.14	Short-term on-the-job training
39-1021	First-line supervisors/managers of personal service workers	49	35	-14	-29	0.64	8.46	Work experience in a related field
39-2011	Animal trainers	26	20	-6	-23	0.88	7.31	Moderate-term on-the-job training
39-2021	Nonfarm animal caretakers	94	47	-47	-50	0.81	6.42	Short-term on-the-job training
39-3031	Ushers, lobby attendants, and ticket takers	10	11	1	10	--	--	Short-term on-the-job training
39-3091	Amusement and recreation attendants	73	71	-2	-3	0.97	7.66	Short-term on-the-job training
39-5012	Hairdressers, hairstylists, and cosmetologists	147	92	-55	-37	0.84	9.33	Postsecondary vocational award
39-9011	Child care workers	426	460	34	8	0.84	6.02	Short-term on-the-job training
39-9021	Personal and home care aides	203	260	57	28	0.76	7.51	Short-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	46	48	2	4	0.57	8.01	Postsecondary vocational award
39-9032	Recreation workers	104	102	-2	-2	0.96	8.59	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-9041	Residential advisors	11	12	1	9	0.67	10.09	Moderate-term on-the-job training
39-9099	Personal care and service workers, all other	24	11	-13	-54	0.64	6.79	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	675	720	45	7	0.98	14.73	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	168	191	23	14	0.58	20.40	Work experience in a related field
41-2011	Cashiers, except gaming	1,377	1,378	1	0	1.25	6.97	Short-term on-the-job training
41-2012	Gaming change persons and booth cashiers	14	17	3	21	0.74	22.50	Short-term on-the-job training
41-2021	Counter and rental clerks	158	167	9	6	1.05	7.16	Short-term on-the-job training
41-2022	Parts salespersons	136	131	-5	-4	1.84	14.21	Moderate-term on-the-job training
41-2031	Retail salespersons	1,442	1,548	106	7	0.93	8.91	Short-term on-the-job training
41-3011	Advertising sales agents	11	17	6	55	0.17	19.68	Moderate-term on-the-job training
41-3021	Insurance sales agents	215	210	-5	-2	0.95	19.74	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	51	62	11	22	0.24	14.94	Bachelor's degree



SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-3099	Sales representatives, services, all other	66	83	17	26	0.30	16.72	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	115	139	24	21	0.71	31.13	Moderate-term on-the-job training
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	272	311	39	14	0.54	23.47	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	21	23	2	10	0.54	10.13	Moderate-term on-the-job training
41-9021	Real estate brokers	286	390	104	36	0.55	8.80	Work experience in a related field
41-9022	Real estate sales agents	305	410	105	34	0.54	8.73	Postsecondary vocational award
41-9041	Telemarketers	28	26	-2	-7	0.22	10.08	Short-term on-the-job training
41-9091	Door-to-door sales workers, news and street vendors, and related workers	219	251	32	15	0.63	5.89	Short-term on-the-job training
41-9099	Sales and related workers, all other	60	65	5	8	0.54	9.96	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	349	381	32	9	0.74	16.92	Work experience in a related field
43-2011	Switchboard operators, including answering service	64	63	-1	-2	1.15	9.29	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-3011	Bill and account collectors	117	138	21	18	0.86	11.09	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	109	127	18	17	0.65	11.88	Moderate-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	606	701	95	16	0.86	11.32	Moderate-term on-the-job training
43-3051	Payroll and timekeeping clerks	65	71	6	9	0.98	13.16	Moderate-term on-the-job training
43-3061	Procurement clerks	19	21	2	11	0.82	12.82	Short-term on-the-job training
43-3071	Tellers	169	167	-2	-1	0.88	12.01	Short-term on-the-job training
43-4031	Court, municipal, and license clerks	11	12	1	9	0.32	13.47	Short-term on-the-job training
43-4051	Customer service representatives	305	376	71	23	0.44	13.58	Moderate-term on-the-job training
43-4071	File clerks	76	53	-23	-30	1.02	8.54	Short-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	60	62	2	3	0.89	7.62	Short-term on-the-job training
43-4111	Interviewers, except eligibility and loan	21	27	6	29	0.28	12.19	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4121	Library assistants, clerical	11	12	1	9	0.30	8.63	Short-term on-the-job training
43-4131	Loan interviewers and clerks	35	34	-1	-3	0.43	14.48	Short-term on-the-job training
43-4151	Order clerks	42	33	-9	-21	0.51	12.71	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	43	49	6	14	0.83	12.33	Short-term on-the-job training
43-4171	Receptionists and information clerks	258	307	49	19	0.70	9.57	Short-term on-the-job training
43-4199	Information and record clerks, all other	63	56	-7	-11	0.86	11.72	Short-term on-the-job training
43-5021	Couriers and messengers	31	34	3	10	0.32	20.34	Short-term on-the-job training
43-5031	Police, fire, and ambulance dispatchers	18	21	3	17	0.57	13.79	Moderate-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	41	47	6	15	0.69	13.53	Moderate-term on-the-job training
43-5041	Meter readers, utilities	12	11	-1	-8	0.81	14.10	Short-term on-the-job training
43-5051	Postal service clerks	10	10	0	0	--	--	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-5052	Postal service mail carriers	114	120	6	5	1.11	20.95	Short-term on-the-job training
43-5053	Postal service mail sorters, processors, and processing machine operators	13	13	0	0	0.21	15.18	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	105	124	19	18	1.16	14.58	Short-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	189	208	19	10	0.79	12.36	Short-term on-the-job training
43-5081	Stock clerks and order fillers	423	401	-22	-5	0.79	8.67	Short-term on-the-job training
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	13	12	-1	-8	0.54	10.93	Short-term on-the-job training
43-6011	Executive secretaries and administrative assistants	230	268	38	17	0.44	14.44	Moderate-term on-the-job training
43-6012	Legal secretaries	35	41	6	17	0.31	15.95	Postsecondary vocational award
43-6013	Medical secretaries	102	133	31	30	0.67	13.10	Postsecondary vocational award
43-6014	Secretaries, except legal, medical, and executive	651	681	30	5	1.04	11.34	Moderate-term on-the-job training
43-9011	Computer operators	15	13	-2	-13	0.38	13.80	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-9021	Data entry keyers	43	41	-2	-5	0.39	10.79	Moderate-term on-the-job training
43-9022	Word processors and typists	49	47	-2	-4	0.82	13.44	Moderate-term on-the-job training
43-9041	Insurance claims and policy processing clerks	24	24	0	0	0.29	16.88	Moderate-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	12	11	-1	-8	0.23	11.02	Short-term on-the-job training
43-9061	Office clerks, general	861	996	135	16	0.85	9.79	Short-term on-the-job training
43-9199	Office and administrative support workers, all other	38	38	0	0	0.39	13.20	Short-term on-the-job training
45-1099	Supervisors, farming, fishing, and forestry workers	10	10	0	0	0.78	20.15	Work experience in a related field
45-2092	Farmworkers and laborers, crop, nursery, and greenhouse	36	39	3	8	0.39	9.57	Short-term on-the-job training
45-3011	Fishers and related fishing workers	11	13	2	18	0.36	5.85	Moderate-term on-the-job training
45-4022	Logging equipment operators	19	24	5	26	1.45	16.50	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	311	381	70	23	0.93	20.80	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2021	Brickmasons and blockmasons	44	55	11	25	0.90	15.45	Long-term on-the-job training
47-2022	Stonemasons	13	15	2	15	0.75	19.18	Long-term on-the-job training
47-2031	Carpenters	412	510	98	24	0.76	16.48	Long-term on-the-job training
47-2041	Carpet installers	12	14	2	17	0.61	17.69	Moderate-term on-the-job training
47-2042	Floor layers, except carpet, wood, and hard tiles	13	14	1	8	0.96	17.02	Moderate-term on-the-job training
47-2043	Floor sanders and finishers	11	12	1	9	0.97	17.75	Moderate-term on-the-job training
47-2044	Tile and marble setters	36	47	11	31	1.42	13.69	Long-term on-the-job training
47-2051	Cement masons and concrete finishers	70	90	20	29	0.95	13.21	Moderate-term on-the-job training
47-2061	Construction laborers	488	612	124	25	1.10	12.80	Moderate-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	26	31	5	19	1.24	13.66	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	210	254	44	21	1.56	13.94	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2081	Drywall and ceiling tile installers	33	42	9	27	0.58	15.26	Moderate-term on-the-job training
47-2082	Tapers	14	17	3	21	0.59	19.19	Moderate-term on-the-job training
47-2111	Electricians	144	140	-4	-3	0.62	16.43	Long-term on-the-job training
47-2121	Glaziers	17	17	0	0	0.89	13.46	Long-term on-the-job training
47-2141	Painters, construction and maintenance	133	148	15	11	0.75	17.18	Moderate-term on-the-job training
47-2151	Pipelayers	69	79	10	14	1.94	12.75	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	197	259	62	31	1.26	17.49	Long-term on-the-job training
47-2161	Plasterers and stucco masons	12	14	2	17	0.62	16.18	Long-term on-the-job training
47-2181	Roofers	60	58	-2	-3	1.00	15.07	Moderate-term on-the-job training
47-2211	Sheet metal workers	58	68	10	17	0.95	16.19	Long-term on-the-job training
47-2221	Structural iron and steel workers	17	23	6	35	0.71	20.55	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble setters	28	33	5	18	1.36	11.61	Short-term on-the-job training
47-3012	Helpers, carpenters	54	71	17	31	1.60	10.77	Short-term on-the-job training
47-3013	Helpers, electricians	44	32	-12	-27	1.32	12.78	Short-term on-the-job training
47-3014	Helpers, painters, paperhangers, plasterers, and stucco masons	12	11	-1	-8	1.55	10.75	Short-term on-the-job training
47-3015	Helpers, pipelayers, plumbers, pipefitters, and steamfitters	95	124	29	31	3.56	11.01	Short-term on-the-job training
47-4011	Construction and building inspectors	29	33	4	14	0.71	18.90	Work experience in a related field
47-4031	Fence erectors	10	12	2	20	--	--	Moderate-term on-the-job training
47-4041	Hazardous materials removal workers	21	20	-1	-5	1.73	14.69	Moderate-term on-the-job training
47-4071	Septic tank servicers and sewer pipe cleaners	13	15	2	15	1.66	11.89	Moderate-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	341	396	55	16	2.33	22.39	Work experience in a related field
49-2011	Computer, automated teller, and office machine repairers	35	36	1	3	0.59	12.74	Postsecondary vocational award



SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-2022	Telecommunications equipment installers and repairers, except line installers	53	49	-4	-8	0.80	17.27	Long-term on-the-job training
49-2092	Electric motor, power tool, and related repairers	14	13	-1	-7	1.79	13.80	Postsecondary vocational award
49-2094	Electrical and electronics repairers, commercial and industrial equipment	29	34	5	17	1.18	19.62	Postsecondary vocational award
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	14	18	4	29	2.04	30.97	Postsecondary vocational award
49-2096	Electronic equipment installers and repairers, motor vehicles	11	11	0	0	1.71	12.62	Postsecondary vocational award
49-2098	Security and fire alarm systems installers	16	16	0	0	0.80	13.52	Postsecondary vocational award
49-3011	Aircraft mechanics and service technicians	30	28	-2	-7	0.77	18.54	Postsecondary vocational award
49-3021	Automotive body and related repairers	45	48	3	7	0.74	14.26	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	264	289	25	9	1.02	11.85	Postsecondary vocational award
49-3031	Bus and truck mechanics and diesel engine specialists	51	60	9	18	0.58	14.84	Postsecondary vocational award
49-3042	Mobile heavy equipment mechanics, except engines	46	50	4	9	1.18	20.21	Postsecondary vocational award

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-3052	Motorcycle mechanics	11	13	2	18	1.21	11.95	Long-term on-the-job training
49-3053	Outdoor power equipment and other small engine mechanics	12	12	0	0	1.08	12.79	Moderate-term on-the-job training
49-3093	Tire repairers and changers	56	67	11	20	1.71	8.56	Short-term on-the-job training
49-9012	Control and valve installers and repairers, except mechanical door	32	38	6	19	2.41	22.99	Moderate-term on-the-job training
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	138	174	36	26	1.34	15.67	Long-term on-the-job training
49-9031	Home appliance repairers	30	32	2	7	1.16	9.06	Long-term on-the-job training
49-9041	Industrial machinery mechanics	65	81	16	25	0.80	16.27	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	644	728	84	13	1.46	13.56	Moderate-term on-the-job training
49-9043	Maintenance workers, machinery	41	45	4	10	1.62	16.31	Short-term on-the-job training
49-9044	Millwrights	37	55	18	49	2.15	21.43	Long-term on-the-job training
49-9051	Electrical power-line installers and repairers	92	133	41	45	2.55	23.13	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9052	Telecommunications line installers and repairers	50	61	11	22	0.88	20.57	Long-term on-the-job training
49-9091	Coin, vending, and amusement machine servicers and repairers	28	31	3	11	1.36	10.27	Moderate-term on-the-job training
49-9094	Locksmiths and safe repairers	16	20	4	25	1.32	12.82	Moderate-term on-the-job training
49-9098	Helpers--Installation, maintenance, and repair workers	147	179	32	22	2.92	9.27	Short-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	25	28	3	12	0.52	15.24	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	475	532	57	12	2.15	19.57	Work experience in a related field
51-2021	Coil winders, tapers, and finishers	11	11	0	0	1.51	18.70	Short-term on-the-job training
51-2022	Electrical and electronic equipment assemblers	30	31	1	3	0.45	16.04	Short-term on-the-job training
51-2023	Electromechanical equipment assemblers	11	15	4	36	0.60	13.64	Short-term on-the-job training
51-2031	Engine and other machine assemblers	53	66	13	25	3.82	14.34	Short-term on-the-job training
51-2041	Structural metal fabricators and fitters	34	42	8	24	1.07	19.88	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-2091	Fiberglass laminators and fabricators	40	45	5	13	3.18	17.51	Moderate-term on-the-job training
51-2092	Team assemblers	1106	1296	190	17	2.82	13.60	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	35	39	4	11	0.38	15.56	Moderate-term on-the-job training
51-3011	Bakers	15	15	0	0	0.31	12.27	Long-term on-the-job training
51-3021	Butchers and meat cutters	33	36	3	9	0.82	41.79	Long-term on-the-job training
51-3022	Meat, poultry, and fish cutters and trimmers	35	41	6	17	0.80	40.37	Short-term on-the-job training
51-3023	Slaughterers and meat packers	61	72	11	18	1.64	26.78	Moderate-term on-the-job training
51-3092	Food batchmakers	28	35	7	25	0.95	12.48	Short-term on-the-job training
51-3093	Food cooking machine operators and tenders	14	15	1	7	1.05	13.16	Short-term on-the-job training
51-4011	Computer-controlled machine tool operators, metal and plastic	43	52	9	21	0.98	16.17	Moderate-term on-the-job training
51-4021	Extruding and drawing machine setters, operators, and tenders, metal and plastic	52	51	-1	-2	1.78	16.17	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4022	Forging machine setters, operators, and tenders, metal and plastic	17	12	-5	-29	1.74	16.79	Moderate-term on-the-job training
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	25	26	1	4	2.34	17.08	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	302	297	-5	-2	3.58	14.43	Moderate-term on-the-job training
51-4032	Drilling and boring machine tool setters, operators, and tenders, metal and plastic	23	22	-1	-4	1.78	18.53	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	70	66	-4	-6	2.22	15.75	Moderate-term on-the-job training
51-4034	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	29	28	-1	-3	1.43	18.41	Moderate-term on-the-job training
51-4035	Milling and planing machine setters, operators, and tenders, metal and plastic	17	14	-3	-18	1.85	16.95	Moderate-term on-the-job training
51-4041	Machinists	251	274	23	9	2.08	16.11	Long-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	83	86	3	4	1.71	14.82	Moderate-term on-the-job training
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	46	57	11	24	1.53	13.24	Moderate-term on-the-job training
51-4111	Tool and die makers	31	33	2	6	1.03	17.16	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4121	Welders, cutters, solderers, and brazers	131	162	31	24	1.04	14.52	Long-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	33	39	6	18	1.48	21.24	Moderate-term on-the-job training
51-4191	Heat treating equipment setters, operators, and tenders, metal and plastic	17	18	1	6	2.07	16.24	Moderate-term on-the-job training
51-4193	Plating and coating machine setters, operators, and tenders, metal and plastic	15	19	4	27	1.17	15.41	Moderate-term on-the-job training
51-5021	Job printers	17	24	7	41	1.09	15.47	Long-term on-the-job training
51-5022	Prepress technicians and workers	11	13	2	18	0.48	14.57	Postsecondary vocational award
51-5023	Printing machine operators	64	78	14	22	1.01	13.93	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	67	69	2	3	0.80	6.98	Moderate-term on-the-job training
51-6021	Pressers, textile, garment, and related materials	42	39	-3	-7	1.74	7.04	Short-term on-the-job training
51-6031	Sewing machine operators	138	108	-30	-22	1.79	10.35	Moderate-term on-the-job training
51-6051	Sewers, hand	22	25	3	14	0.98	7.04	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-6052	Tailors, dressmakers, and custom sewers	22	26	4	18	0.77	6.98	Long-term on-the-job training
51-6061	Textile bleaching and dyeing machine operators and tenders	53	51	-2	-4	8.36	12.95	Moderate-term on-the-job training
51-6062	Textile cutting machine setters, operators, and tenders	18	14	-4	-22	2.89	14.09	Moderate-term on-the-job training
51-6063	Textile knitting and weaving machine setters, operators, and tenders	82	64	-18	-22	6.46	15.28	Long-term on-the-job training
51-6064	Textile winding, twisting, and drawing out machine setters, operators, and tenders	83	77	-6	-7	5.91	13.06	Moderate-term on-the-job training
51-6091	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	23	10	-13	-57	4.16	16.01	Moderate-term on-the-job training
51-6093	Upholsterers	20	20	0	0	0.64	7.93	Long-term on-the-job training
51-6099	Textile, apparel, and furnishings workers, all other	13	11	-2	-15	1.82	13.10	Short-term on-the-job training
51-7011	Cabinetmakers and bench carpenters	28	19	-9	-32	0.60	32.85	Long-term on-the-job training
51-7041	Sawing machine setters, operators, and tenders, wood	12	15	3	25	0.57	14.86	Moderate-term on-the-job training
51-7042	Woodworking machine setters, operators, and tenders, except sawing	27	31	4	15	0.88	12.16	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-8013	Power plant operators	37	49	12	32	3.38	28.21	Long-term on-the-job training
51-8021	Stationary engineers and boiler operators	17	20	3	18	1.22	19.65	Long-term on-the-job training
51-8031	Water and liquid waste treatment plant and system operators	50	58	8	16	1.50	16.34	Long-term on-the-job training
51-8091	Chemical plant and system operators	49	51	2	4	2.92	23.00	Long-term on-the-job training
51-9011	Chemical equipment operators and tenders	110	111	1	1	6.91	23.44	Moderate-term on-the-job training
51-9012	Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	14	15	1	7	1.01	16.85	Moderate-term on-the-job training
51-9021	Crushing, grinding, and polishing machine setters, operators, and tenders	12	13	1	8	0.92	15.66	Moderate-term on-the-job training
51-9023	Mixing and blending machine setters, operators, and tenders	78	83	5	6	1.78	17.14	Moderate-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	48	58	10	21	1.97	12.08	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	45	51	6	13	1.76	15.14	Moderate-term on-the-job training
51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders	15	19	4	27	1.76	13.66	Moderate-term on-the-job training



SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9061	Inspectors, testers, sorters, samplers, and weighers	439	475	36	8	2.86	11.38	Moderate-term on-the-job training
51-9111	Packaging and filling machine operators and tenders	251	260	9	4	2.09	11.89	Short-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	136	143	7	5	4.10	11.98	Moderate-term on-the-job training
51-9122	Painters, transportation equipment	22	22	0	0	1.22	15.38	Long-term on-the-job training
51-9123	Painting, coating, and decorating workers	10	10	0	0	--	--	Short-term on-the-job training
51-9132	Photographic processing machine operators	17	13	-4	-24	0.99	10.18	Short-term on-the-job training
51-9195	Molders, shapers, and casters, except metal and plastic	12	15	3	25	0.80	15.13	Moderate-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	88	112	24	27	2.49	18.04	Moderate-term on-the-job training
51-9197	Tire builders	40	46	6	15	5.70	16.10	Moderate-term on-the-job training
51-9198	Helpers--Production workers	156	178	22	14	0.93	9.03	Short-term on-the-job training
51-9199	Production workers, all other	129	147	18	14	1.41	14.28	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	84	99	15	18	1.46	15.99	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	54	65	11	20	0.76	21.21	Work experience in a related field
53-3011	Ambulance drivers and attendants, except emergency medical technicians	13	17	4	31	1.91	11.72	Moderate-term on-the-job training
53-3021	Bus drivers, transit and intercity	75	61	-14	-19	1.15	10.87	Moderate-term on-the-job training
53-3022	Bus drivers, school	315	356	41	13	2.08	9.99	Short-term on-the-job training
53-3031	Driver/sales workers	154	177	23	15	0.79	18.36	Short-term on-the-job training
53-3032	Truck drivers, heavy and tractor-trailer	668	864	196	29	1.12	15.07	Moderate-term on-the-job training
53-3033	Truck drivers, light or delivery services	531	637	106	20	1.44	15.30	Short-term on-the-job training
53-3041	Taxi drivers and chauffeurs	73	78	5	7	0.74	9.55	Short-term on-the-job training
53-3099	Motor vehicle operators, all other	11	11	0	0	0.47	16.09	Short-term on-the-job training
53-4019	Locomotive engineers and operators	19	18	-1	-5	1.58	26.79	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-4031	Railroad conductors and yardmasters	13	11	-2	-15	1.34	27.41	Moderate-term on-the-job training
53-6021	Parking lot attendants	31	39	8	26	0.72	9.47	Short-term on-the-job training
53-6031	Service station attendants	22	26	4	18	0.76	11.08	Short-term on-the-job training
53-6099	Transportation workers, all other	10	10	0	0	--	--	Short-term on-the-job training
53-7011	Conveyor operators and tenders	43	48	5	12	2.92	13.09	Short-term on-the-job training
53-7021	Crane and tower operators	29	35	6	21	1.94	21.33	Long-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	45	54	9	20	1.91	18.88	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	275	285	10	4	1.38	10.45	Short-term on-the-job training
53-7061	Cleaners of vehicles and equipment	191	211	20	10	1.71	10.13	Short-term on-the-job training
53-7062	Laborers and freight, stock, and material movers, hand	1869	1,962	93	5	2.46	11.68	Short-term on-the-job training
53-7063	Machine feeders and offbearers	83	93	10	12	1.80	11.22	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-7064	Packers and packagers, hand	286	257	-29	-10	1.09	9.97	Short-term on-the-job training
53-7081	Refuse and recyclable material collectors	114	108	-6	-5	2.50	12.70	Short-term on-the-job training
53-7199	Material moving workers, all other	13	13	0	0	0.86	13.88	Moderate-term on-the-job training
		53,822	59,660	5,838	11		15.42	

at least  
1.25 greater than \$15.42

Source: EMSI

## Appendix B: Businesses by 3-Digit NAICS Codes

Sumter County								
Industry	NAICS Code	Change						
		2002	2007	Average Size	#	%	SC % change	US % change
Animal Production	112	7	7	35	0	0.0	-19.2	5.0
Forestry and Logging	113	7	3		-4	-57.1	-26.0	-15.2
Support Activities for Agriculture and Forestry	115	9	7	9	-2	-22.2	-13.0	1.8
Utilities	221	6	7	15	1	16.7	-8.8	-0.9
Construction of Buildings	236	72	64	13	-8	-11.1	-0.4	15.4
Heavy and Civil Engineering Construction	237	21	25	34	4	19.0	-2.0	-2.3
Specialty Trade Contractors	238	178	139	8	-39	-21.9	-6.4	12.9
Printing and Related Support Activities	323	5	4	10	-1	-20.0	-15.0	-12.3
Chemical Manufacturing	325	5	5	85	0	0.0	-1.6	1.5
Fabricated Metal Product Manufacturing	332	21	23	34	2	9.5	-6.1	-3.0
Machinery Manufacturing	333	7	7	43	0	0.0	-23.7	-11.1
Computer and Electronic Product Manufacturing	334	3	4		1	33.3	-6.3	-11.2
Electrical Equipment, Appliance, and Component Manufacturing	335	4	3		-1	-25.0	-2.7	-5.7
Furniture and Related Product Manufacturing	337	9	9	54	0	0.0	-8.8	-5.8
Merchant Wholesalers, Durable Goods	423	43	47	10	4	9.3	0.6	-5.6
Merchant Wholesalers, Nondurable Goods	424	20	17	12	-3	-15.0	-5.0	-3.5
Wholesale Electronic Markets and Agents and Brokers	425	14	9	6	-5	-35.7	31.7	38.3
Motor Vehicle and Parts Dealers	441	65	64	12	-1	-1.5	-11.6	2.2
Furniture and Home Furnishings Stores	442	29	25	7	-4	-13.8	-11.3	3.8
Electronics and Appliance Stores	443	15	12	5	-3	-20.0	-16.7	-4.7
Building Material and Garden Equipment and Supplies Dealers	444	29	27	13	-2	-6.9	-8.8	0.9
Food and Beverage Stores	445	58	38	23	-20	-34.5	-18.2	-0.5
Health and Personal Care Stores	446	25	34	10	9	36.0	9.1	10.2
Gasoline Stations	447	60	59	6	-1	-1.7	-2.8	-1.9
Clothing and Clothing Accessories Stores	448	47	47	8	0	0.0	-5.3	4.6
Sporting Goods, Hobby, Book, and Music Stores	451	16	15	3	-1	-6.3	-11.1	-6.5
General Merchandise Stores	452	27	29	32	2	7.4	17.5	13.3
Miscellaneous Store Retailers	453	54	36	6	-18	-33.3	-23.9	-8.6
Nonstore Retailers	454	6	4	11	-2	-33.3	-17.9	11.9
Truck Transportation	484	28	40	17	12	42.9	-5.1	5.4

Sumter County								
Industry	NAICS Code	2002	2007	Average Size	Change		SC % change	US % change
					#	%		
Transit and Ground Passenger Transportation	485	4	4		0	0.0	-14.6	1.6
Support Activities for Transportation	488	8	8	3	0	0.0	-6.0	7.6
Warehousing and Storage	493	8	6	17	-2	-25.0	-13.8	14.5
Telecommunications	517	12	12	12	0	0.0	0.0	9.3
Credit Intermediation and Related Activities	522	65	71	9	6	9.2	12.2	23.8
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	523	10	15	3	5	50.0	38.6	23.5
Insurance Carriers and Related Activities	524	43	34	6	-9	-20.9	0.3	6.7
Real Estate	531	60	54	3	-6	-10.0	18.8	23.8
Rental and Leasing Services	532	23	18	5	-5	-21.7	-8.3	1.7
Professional, Scientific, and Technical Services	541	131	125	6	-6	-4.6	2.1	14.3
Management of Companies and Enterprises	551	8	11	20	3	37.5	74.2	29.1
Administrative and Support Services	561	82	77		-5	-6.1	2.2	13.0
Waste Management and Remediation Services	562	8	5		-3	-37.5	3.9	15.6
Educational Services	611	15	15	34	0	0.0	14.1	23.7
Ambulatory Health Care Services	621	89	91	12	2	2.2	7.4	13.3
Amusement, Gambling, and Recreation Industries	713	22	19	16	-3	-13.6	-14.4	12.9
Accommodation	721	18	16	11	-2	-11.1	-3.4	3.5
Food Services and Drinking Places	722	150	138	21	-12	-8.0	-0.2	12.2
Repair and Maintenance	811	83	61	6	-22	-26.5	-18.3	-0.4
Personal and Laundry Services	812	56	55	9	-1	-1.8	-2.4	7.2
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	17	19	7	2	11.8	-2.0	3.3
Private Households	814	91	115	1	24	26.4	4.6	24.9

growth rate exceeds both SC and US growth rates

Source: Bureau of Labor Statistics

## Appendix C: Sumter County Employment by Industry Sector

Industry	NAICS code	Employment		2002-2007 Change		Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
		2002	2007	#	%				
Total		38,521	37,813	-708	-1.8			30,259	11%

<i>6 star sectors</i>									
Industry	NAICS code	Employment		2002-2007 Change		Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
		2002	2007	#	%				
Construction of Buildings	236	361	802	441	122	1.68	395	43,072	AA
Heavy and Civil Engineering Construction	237	682	862	180	26	3.23	134	39,405	AA
Truck Transportation	484	384	667	283	74	1.72	254	39,239	AA

<i>5 star sectors</i>									
Industry	NAICS code	Employment		2002-2007 Change		Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
		2002	2007	#	%				
Machinery Manufacturing	333	73	302	229	314	0.95	231	49,568	A
Merchant Wholesalers, Durable Goods	423	336	465	129	38	0.55	115	45,508	AA
Health and Personal Care Stores	446	241	342	101	42	1.27	84	26,188	AA
Professional, Scientific, and Technical Services	541	546	720	174	32	0.35	94	35,962	AA
Ambulatory Health Care Services	621	860	1108	248	29	0.75	94	54,454	AA

4 star sectors		Employment		2002-2007 Change		Location Quotient	Competitive Effect	2007 Average Annual Wage	Projected Growth
Industry	NAICS code	2002	2007	#	%				
Utilities	221	87	103	16	18	0.69	22	49,993	AA
Motor Vehicle and Parts Dealers	441	716	763	47	7	1.48	35	32,191	BA
Management of Companies and Enterprises	551	180	217	37	21	0.44	22	56,768	AA
Food Services and Drinking Places	722	2571	2952	381	15	1.15	47	10,690	A
Repair and Maintenance	811	334	388	54	16	1.15	51	30,573	A

3 star or fewer sectors		Employment		2002-2007 Change		Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%				
Animal Production	112	201	243	42	21	4.05	26	18,687	
Fabricated Metal Product Manufacturing	332	1,073	787	-286	-27	1.88	-295	43,831	A
General Merchandise Stores	452	800	918	118	15	1.13	59	16,691	BA
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	523	42	46	4	10	0.20	0	102,910	AA
Insurance Carriers and Related Activities	524	189	196	7	4	0.34	3	41,292	BA
Personal and Laundry Services	812	448	468	20	4	1.33	2	19,497	D
Support Activities for Agriculture and Forestry	115	80	63	-17	-21	0.70	-23	72,327	A
Chemical Manufacturing	325	479	424	-55	-11	1.83	-20	40,630	D
Merchant Wholesalers, Nondurable Goods	424	235	204	-31	-13	0.37	-36	46,558	AA
Wholesale Electronic Markets and Agents and Brokers	425	53	58	5	9	0.26	-12	47,783	D
Gasoline Stations	447	378	333	-45	-12	1.43	-30	15,272	AA
Clothing and Clothing Accessories Stores	448	320	381	61	19	0.94	17	15,040	BA
Nonstore Retailers	454	66	44	-22	-33	0.38	-21	37,127	A
Warehousing and Storage	493	109	100	-9	-8	0.56	-41	32,000	A
Telecommunications	517	205	138	-67	-33	0.50	-42	48,380	A
Educational Services	611	469	503	34	7	0.82	-46	27,776	A
Private Households	814	108	121	13	12	0.82	-10	10,105	A



3 star or fewer sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Specialty Trade Contractors	238	1,459	1,167	-292	-20	0.90	-506	29,616	AA
Printing and Related Support Activities	323	46	40	-6	-13	0.24	0	22,798	A
Computer and Electronic Product Manufacturing	334	139	0	-139	-100		-118	-	A
Electrical Equipment, Appliance, and Component Manufacturing	335	638	0	-638	-100		-552	-	A
Furniture and Related Product Manufacturing	337	1,337	485	-852	-64	3.39	-691	29,077	D
Furniture and Home Furnishings Stores	442	207	183	-24	-12	1.19	-36	23,572	A
Transit and Ground Passenger Transportation	485	23	0	-23	-100		-25	-	AA
Real Estate	531	169	186	17	10	0.46	0	25,342	AA
Administrative and Support Services	561	1231	0	-1231	-100		-1,361	-	AA
Waste Management and Remediation Services	562	148	0	-148	-100		-165	-	A
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	142	130	-12	-8	0.36	-16	18,762	A
Forestry and Logging	113	39	0	-39	-100		-34	-	D
Electronics and Appliance Stores	443	65	59	-6	-9	0.40	-8	19,224	BA
Building Material and Garden Equipment and Supplies Dealers	444	408	362	-46	-11	1.03	-90	29,582	BA
Food and Beverage Stores	445	1,131	864	-267	-24	1.12	-257	14,026	BA
Sporting Goods, Hobby, Book, and Music Stores	451	53	47	-6	-11	0.26	-5	13,025	BA
Miscellaneous Store Retailers	453	269	206	-63	-23	0.88	-37	17,371	D
Support Activities for Transportation	488	81	27	-54	-67	0.17	-65	19,443	BA
Credit Intermediation and Related Activities	522	742	655	-87	-12	0.85	-142	29,969	BA
Rental and Leasing Services	532	128	83	-45	-35	0.49	-42	19,383	BA
Amusement, Gambling, and Recreation Industries	713	356	304	-52	-15	0.79	-84	11,729	BA
Accommodation	721	295	172	-123	-42	0.34	-137	14,105	BA

## Methodology and Sourcing

### Projected Growth Grading Scale:

AA=above average

A=average

BA=below average

D=decline

**Sectors are rated on 6 factors:** 2002-2007 employment growth, 2002-2007 employment growth rate, location quotient, competitive effect, average annual wage, and projected growth.

**Stars are based on:** 2002-2007 employment growth of 75 or more, 2002-2007 employment growth rate greater than 0% (since total employment declined in the county), location quotient of at least 1.25, competitive effect greater than 0, average annual wage greater than \$30,259 (2007 average for all jobs in the county), and average or above average projected growth.

**Location Quotient:** percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county; based on 2007 data.

**Competitive Effect:** based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.

**Source:** Bureau of Labor Statistics; projections based on data from EMSI and SC Department of Commerce.





South Carolina  
Department of Commerce  
1201 Main Street, Suite 1600  
Columbia, SC 29201

(800) 868-7232  
(803) 737-0400  
[www.sccommerce.com](http://www.sccommerce.com)